

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04R1/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 546 950 A (CECH ET AL) 15 October 1985 (1985-10-15) column 1, line 26 - column 5, line 20; figures 1,2,7	1-10,12
A	US 4 396 807 A (BREWER ET AL) 2 August 1983 (1983-08-02) column 2, line 11 - column 3, line 6; figures 1-3	1-12
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23, 10 February 2001 (2001-02-10) -& JP 2001 157102 A (HITACHI KOKUSAI ELECTRIC INC), 8 June 2001 (2001-06-08) abstract	1-12
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *&* document member of the same patent family

Date of the actual completion of the international search

6 April 2005

Date of mailing of the international search report

25/04/2005

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Kiernan, L

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 459 802 B1 (YOUNG GARRIT A. R) 1 October 2002 (2002-10-01) column 1, line 34 - column 4, line 17; figures 1-6 -----	1-12
A	WO 94/04009 A (WINSJANSEN, ERLING) 17 February 1994 (1994-02-17) page 3, line 11 - page 4, line 24; figures 1,2,4,6 -----	1-12
A	US 6 128 393 A (KONDO ET AL) 3 October 2000 (2000-10-03) column 2, line 61 - column 4, line 33; figure 1 -----	1,2,11, 12

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